I claim:

1. A method for initiating immediate transfer of packet data from a network server to a mobile communication station over a digital radio communication network, such as a Global System for Mobile Communication (GSM) network providing a General Packet Radio Service (GPRS), including the acts of:

sending a message to the mobile communication station using a message service provided by the digital radio communication network, said message including a first packet data network address of said network server;

extracting the first packet data network address from said message by way of an application executing on the mobile communication station; and

establishing, from the application of the mobile communication station having a second packet data network address, a packet data protocol session with said network server using said first packet data network address,

whereby the network server is able to transfer packet data to the mobile communication station and the application using said packet data protocol session.

2. The method claimed in claim 1, wherein the message service comprises a Short Message Service.

3. The method claimed in claim 1, wherein the first packet data network address comprises an Internet Protocol or an X.25 protocol address.

4.   The method claimed in claim 1, wherein said application performs the act of identifying the mobile communication station to the packet data service part of the digital radio communication network, if the mobile communication station is not identified to that service.

5.   The method claimed in claim 4, wherein the act of identifying the mobile communication station comprises performing a GPRS attach toward a GSM network if the mobile communication station is not attached.

6.   The method claimed in claim 1, including the acts of:

sending a request from the application to the digital radio communication network to activate a packet data service for use by the mobile communication station if the mobile communication station does not have such a packet data service activated;

allocating, in a node within, or connected to, said digital radio communication network, in connection with activating the requested packet data service, a temporary packet data network address to the mobile communication station; and

transferring the temporary network address to the mobile communication station and the application, which temporary network address constitutes said second packet data network address.

7.   The method claimed in claim 6, wherein the request comprises a GPRS Packet Data Protocol (PDP) Context activation.

8.   The method claimed in claim 6, wherein the temporary packet data network address comprises an Internet Protocol or an X.25 protocol address.

9.   The method claimed in claim 4, wherein said application performs the acts of:

examining an activation code present in said message received by the mobile communication station; and

performing said act of identifying the mobile communication station to the radio communication network only if an appropriate activation code was found in the message during the examining act.

10.   The method claimed in claim 4, wherein said application performs the acts of:

examining a service indication field in said message received by the mobile communication station; and

presenting a message to a user of the mobile communication station the message being based on the content of the service indication field and describing the service that will be initiated.

11.   The method claimed in claim 10, wherein the message comprises a text message on a display or a voice message over a loudspeaker.

12.   The method claimed in claim 10, wherein said application further performs the acts of:

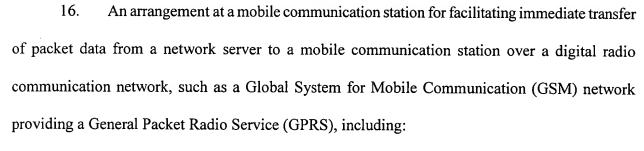waiting for a reply to the presented message from the user of the mobile communication station; and

continuing with, or aborting, said act of identifying the mobile communication station to the digital radio communication network in dependence on the reply to the presented message.

13.   The method claimed in claim 12, wherein the reply comprises an accept or a deny reply.

14.   The method claimed in claim 1, wherein said application performs the acts of:

extracting a ciphering key from said message received by the mobile communication station; and

sending a message to the network server, which message includes a calculated response to the extracted ciphering key and an identification number associated with the mobile communication station, whereby the network server is able to verify the identity of the mobile communication station user.

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15.   The method claimed in claim 14, wherein the identification number associated with

the mobile communication station comprises a Mobile Station Integrated Services Digital Network

(NSISDN) number.

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16.　An arrangement at a mobile communication station for facilitating immediate transfer of packet data from a network server to a mobile communication station over a digital radio communication network, such as a Global System for Mobile Communication (GSM) network providing a General Packet Radio Service (GPRS), including:

first receiving means for receiving a message from a message service provided by the digital radio communication network, said message including a first packet data network address of said network server;

extracting means for extracting the first packet data network address from said message; and

packet data protocol means for establishing a packet data protocol session with said network server using said first packet data network address, and for receiving packet data from the network server addressed to a second packet data network address, which second packet data network address is allocated to the mobile communication station.

17.　The arrangement claimed in claim 16, wherein the message service comprises a Short Message Service.

18.　The arrangement claimed in claim 16, wherein the a first packet data network address comprises an Internet Protocol or an X.25 protocol address.

19. The arrangement claimed in claim 16, including means for identifying the mobile communication station to the packet data service part of the digital radio communication network if the mobile communication stations is not identified to that service.

20. The arrangement claimed in claim 19, wherein the means for identifying comprises performing a GPRS attach towards a GSM network if the mobile communication station is not attached.

21. The arrangement claimed in claim 16, including:

transmitting means for sending a request to the digital radio communication network to activate a packet data service for use by the mobile communication station if the mobile communication station does not have such a packet data service activated; and

second receiving means for receiving a temporary packet data network address from the digital radio communication network in response to said request, which received temporary packet data network address constitutes said second packet data network address.

22. The arrangement claimed in claim 21, wherein the request comprises a GPRS Packet Data Protocol (PDP) Context activation.

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23.   The arrangement claimed in claim 21, wherein the a temporary packet data network

address comprises an Internet Protocol or an X.25 protocol address.

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5   24.   A program storage device containing a sequence of instructions for a microprocessor to perform the acts of:

causing a mobile communication station to receive a message from a message service provided by a digital radio communication network, said message including a first packet data network address of said network server;

10   causing the mobile communication station to extract the first packet data network address from said message;

causing the mobile communication station, to which a second packet data network address is allocated, to establish a packet data protocol session with said network server using said first packet data network address; and

causing the mobile communication station to receive packet data, addressed to the second packet data network address, from the network server via said packet data protocol session.

25.   The program storage device claimed in claim 24, wherein the message service

20   comprises a Short Message Service.

26.   The program storage device claimed in claim 24, wherein the digital radio communication network comprises a Global System for Mobile Communication (GSM) network providing a General Packet Radio Service (GPRS).

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27.   The program storage device claimed in claim 24, wherein the first packet data network address comprises an Internet Protocol or an X.25 protocol address.

28.   The program storage device claimed in claim 24, performing the act of causing the mobile communication station to identify itself to the packet data service part of the digital radio communication network, if the mobile communication station is not identified to that service.

29.   The program storage device claimed in claim 28, wherein the act of causing the mobile communication station to identify itself comprises performing a GPRS attach towards a GSM network if the mobile communication station is not attached.

30.   The program storage device claimed in claim 24, performing the acts of:

causing the mobile communication station to send a request to the digital radio communication network to activate a packet data service for use by the mobile communication station if the mobile communication station does not have such a packet data service activated; and

causing the mobile communication station to receive a temporary packet data network address from the digital radio communication network in response to said request, which received temporary packet data network address constitutes said second packet data network address.

31.   A message data format used for initiating the transfer of packet data from a network server to a mobile communication station without interaction with a user of the mobile communication station, the mobile communication station being the addressee of a message having said message data format, the message data format including:

a field with an activation code which is to be decoded by an application program in said mobile communication station, said activation code indicating to the application program that said message was initiated by a network server wishing to transfer packet data to the mobile communication station, wherein further fields of the message data format are decoded by said application program and thereby facilitating the reception of packet data from the network server; and

a field with a packet data network address which is to be decoded by said application program, said packet data network address indicating to the application program which network server it should establish a packet data protocol session with.

32.   The message data format claimed in claim 31, including a field with a service indication which is to be decoded by an application program, said service indication forming the basis for a message presented to a user relating to what service that is about to be initiated.

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33.   The message data format claimed in claim 31, including a field with a ciphering key which is to be decoded by an application program, said ciphering key being used by the application program to calculate a response, to said message having said message data format, for transmission to said network server.

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34.   ˙ The message data format claimed in claim 33, wherein the message data format is composed in accordance with what is shown in Figure 3.